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Search Results - Record(s) 1 through 65 of 65 returned.

☐ 1. Document ID: US 20070225591 A1

L34: Entry 1 of 65

File: PGPB

Sep 27, 2007

PGPUB-DOCUMENT-NUMBER: 20070225591

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070225591 A1

TITLE: SPECTRALLY SELECTIVE SUPPRESSION WITH STEADY-STATE FREE PRECESSION

PUBLICATION-DATE: September 27, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Derbyshire; John Andrew	Silver Spring	MD	US
Herzka; Daniel Alfredo	Rockville	MD	US
McVeigh; Elliot R.	Phoenix	AZ	US

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 2. Document ID: US 20070205767 A1

L34: Entry 2 of 65

File: PGPB

Sep 6, 2007

PGPUB-DOCUMENT-NUMBER: 20070205767

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070205767 A1

TITLE: ATOMIC MAGNETIC GRADIOMETER FOR ROOM TEMPERATURE HIGH SENSITIVITY
MAGNETIC FIELD DETECTION

PUBLICATION-DATE: September 6, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Xu; Shoujun	Berkeley	CA	US
Lowery; Thomas L.	Belmont	MA	US
Budker; Dmitry	El Cerrito	CA	US
Yashchuk; Valeriy V.	Richmond	CA	US
Wemmer; David E.	Berkeley	CA	US
Pines; Alexander	Berkeley	CA	US

US-CL-CURRENT: 324/304; 324/301, 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWIC	Draw	Desc	Image			

☐ 3. Document ID: US 20070007959 A1

L34: Entry 3 of 65

File: PGPB

Jan 11, 2007

PGPUB-DOCUMENT-NUMBER: 20070007959

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070007959 A1

TITLE: Simultaneous phase cycling for nuclear magnetic resonance
spectroscopy

PUBLICATION-DATE: January 11, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Szyperski; Thomas A.	Amherst	NY	US

Parish; David M.

Buffalo

NY

US

US-CL-CURRENT: [324/307](#); [324/309](#), [324/310](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWC	Draw Desc	Image				

☐ 4. Document ID: US 20050065431 A1

L34: Entry 4 of 65

File: PGPB

Mar 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050065431

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050065431 A1

TITLE: Magnetic resonance imaging method and apparatus for body composition analysis

PUBLICATION-DATE: March 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Reiderman, Arcady	Houston	TX	US
Taicher, Gersh Z.	Houston	TX	US
Krugliak, Zinoviy	Houston	TX	US

US-CL-CURRENT: [600/415](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWC	Draw Desc	Image				

☐ 5. Document ID: US 20040008027 A1

L34: Entry 5 of 65

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040008027

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040008027 A1

TITLE: Method and apparatus for detecting diffusion sensitive phases
with estimation of residual error in NMR logs

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Prammer, Manfred	Downingtown	PA	US

US-CL-CURRENT: 324/303; 702/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWMC	Draw Desc	Image				

☐ 6. Document ID: US 20030214286 A1

L34: Entry 6 of 65

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030214286

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030214286 A1

TITLE: Method for the inversion of CPMG measurements enhanced by often
repeated short wait time measurements

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Heidler, Ralf	Richmond	TX	US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWMC	Draw Desc	Image				

☐ 7. Document ID: US 20030085702 A1

L34: Entry 7 of 65

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030085702

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030085702 A1

TITLE: NUCLEAR MAGNETIC RESONANCE LOGGING BASED ON STEADY-STATE FREE PRECESSION

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freed, Denise	Mount Kisco	NY	US
Hurlimann, Martin D.	Ridgefield	CT	US
Scheven, Ulrich	Bethel	CT	US

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 8. Document ID: US 20020167317 A1

L34: Entry 8 of 65

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020167317

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020167317 A1

TITLE: Driven equilibrium and fast-spin echo scanning

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shenoy, Rajendra K.	Dixhills	NY	US
Damadian, Jevan	East Northport	NY	US

US-CL-CURRENT: 324/307; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWMC	Draw Desc	Image				

☐ 9. Document ID: US 20010056231 A1

L34: Entry 9 of 65

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010056231

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010056231 A1

TITLE: High resolution MRI imaging of brain functions

PUBLICATION-DATE: December 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Jesmanowicz, Andrzej	Wauwatosa	WI	US
Hyde, James S.	Dousman	WI	US
Biswal, Bharat B.	Milwaukee	WI	US

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWMC	Draw Desc	Image				

☐ 10. Document ID: US 7343192 B2

L34: Entry 10 of 65

File: USPT

Mar 11, 2008

US-PAT-NO: 7343192

DOCUMENT-IDENTIFIER: US 7343192 B2

TITLE: Magnetic resonance imaging method and apparatus for body composition analysis

DATE-ISSUED: March 11, 2008

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050065431 A1

March 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reiderman; Arcady	Houston	TX		US
Taicher; Gersh Z.	Houston	TX		US
Krugliak; Zinoviy	Houston	TX		US

US-CL-CURRENT: 600/410; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc Image

☐ 11. Document ID: US 7298146 B1

L34: Entry 11 of 65

File: USPT

Nov 20, 2007

US-PAT-NO: 7298146

DOCUMENT-IDENTIFIER: US 7298146 B1

TITLE: Method and apparatus of manual pre-scan spatial and spectral data acquisition

DATE-ISSUED: November 20, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maier; Joseph K.	Milwaukee	WI		US

US-CL-CURRENT: 324/318; 324/307, 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference	Abstract	Claims	Claims	K/MC	Draw Desc	Image

☐ 12. Document ID: US 7253620 B1

L34: Entry 12 of 65

File: USPT

Aug 7, 2007

US-PAT-NO: 7253620

DOCUMENT-IDENTIFIER: US 7253620 B1

TITLE: Spectrally selective suppression with steady-state free precession

DATE-ISSUED: August 7, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Derbyshire; John Andrew	Silver Spring	MD		US
Herzka; Daniel Alfredo	Rockville	MD		US
McVeigh; Elliot R.	Phoenix	MD		US

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	K/MC	Draw Desc	Image

☐ 13. Document ID: US 7119540 B1

L34: Entry 13 of 65

File: USPT

Oct 10, 2006

US-PAT-NO: 7119540

DOCUMENT-IDENTIFIER: US 7119540 B1

TITLE: Driven equilibrium and fast-spin echo scanning

DATE-ISSUED: October 10, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shenoy; Rajendra K.	Dixhills	NY		US
Damadian; Jevan	East Northport	NY		US

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference					Claims	KMC
					Draw Desc	Image

☐ 14. Document ID: US 7064547 B1

L34: Entry 14 of 65

File: USPT

Jun 20, 2006

US-PAT-NO: 7064547

DOCUMENT-IDENTIFIER: US 7064547 B1

**** See image for Certificate of Correction ****

TITLE: Method and apparatus of M/r imaging with coil calibration data acquisition

DATE-ISSUED: June 20, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; Kevin F.	New Berlin	WI		US
Angelos; Elisabeth	Hartland	WI		US
Polzin; Jason A.	Lake Mills	WI		US

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	K/MC	Draw Desc	Image

☐ 15. Document ID: US 6956371 B2

L34: Entry 15 of 65

File: USPT

Oct 18, 2005

US-PAT-NO: 6956371

DOCUMENT-IDENTIFIER: US 6956371 B2

TITLE: Method and apparatus for detecting diffusion sensitive phases
with estimation of residual error in NMR logs

DATE-ISSUED: October 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Prammer; Manfred	Downingtown	PA		
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US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	K/MC	Draw Desc	Image

☐ 16. Document ID: US 6847209 B2

L34: Entry 16 of 65

File: USPT

Jan 25, 2005

US-PAT-NO: 6847209

DOCUMENT-IDENTIFIER: US 6847209 B2

**** See image for Certificate of Correction ****

TITLE: Driven equilibrium and fast-spin echo scanning

DATE-ISSUED: January 25, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shenoy; Rajendra K.	Dixhills	NY		
Damadian; Jevan	East Northport	NY		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc Image

☐ 17. Document ID: US 6781375 B2

L34: Entry 17 of 65

File: USPT

Aug 24, 2004

US-PAT-NO: 6781375

DOCUMENT-IDENTIFIER: US 6781375 B2

TITLE: Magnetic resonance imaging using preparation scan for optimizing pulse sequence

DATE-ISSUED: August 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miyazaki; Mitsue	Otawara			JP
Takai; Hiroshi	Nasu-Gun			JP

US-CL-CURRENT: 324/314; 324/306

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc Image

☐ 18. Document ID: US 6714009 B2

L34: Entry 18 of 65

File: USPT

Mar 30, 2004

US-PAT-NO: 6714009

DOCUMENT-IDENTIFIER: US 6714009 B2

TITLE: Method for the inversion of CPMG measurements enhanced by often repeated short wait time measurements

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heidler; Ralf	Richmond	TX		

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 19. Document ID: US 6704594 B1

L34: Entry 19 of 65

File: USPT

Mar 9, 2004

US-PAT-NO: 6704594

DOCUMENT-IDENTIFIER: US 6704594 B1

TITLE: Magnetic resonance imaging device

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Blank; Aharon	Kiriat Ono			IL
Alexandrowicz; Gil	Jerusalem			IL
Golan; Erez	Tel Aviv			IL

US-CL-CURRENT: 600/423; 128/899, 324/318, 324/322, 600/407, 600/409,
600/410, 600/421

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 20. Document ID: US 6624630 B1

L34: Entry 20 of 65

File: USPT

Sep 23, 2003

US-PAT-NO: 6624630

DOCUMENT-IDENTIFIER: US 6624630 B1

TITLE: Sliding frequency steady-state precession imaging

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Foxall; David L.	Mentor	OH		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date			
Reference					Claims	KMC	Draw	Deso	Image

☐ 21. Document ID: US 6580272 B2

L34: Entry 21 of 65

File: USPT

Jun 17, 2003

US-PAT-NO: 6580272

DOCUMENT-IDENTIFIER: US 6580272 B2

TITLE: Nuclear magnetic resonance logging based on steady-state free precession

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Freed; Denise	Mount Kisco	NY		
Hurlimann; Martin D.	Ridgefield	CT		
Scheven; Ulrich	Bethel	CT		

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWMC	Draw Desc	Image

☐ 22. Document ID: US 6472872 B1

L34: Entry 22 of 65

File: USPT

Oct 29, 2002

US-PAT-NO: 6472872

DOCUMENT-IDENTIFIER: US 6472872 B1

TITLE: Real-time shimming of polarizing field in magnetic resonance system

DATE-ISSUED: October 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jack, Jr.; Clifford R.	Rochester	MN		
Ward; Heidi A.	Rochester	MN		
Riederer; Stephen J.	Rochester	MN		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 23. Document ID: US 6307368 B1

L34: Entry 23 of 65

File: USPT

Oct 23, 2001

US-PAT-NO: 6307368

DOCUMENT-IDENTIFIER: US 6307368 B1

**** See image for Certificate of Correction ****TITLE: Linear combination steady-state free precession MRI

DATE-ISSUED: October 23, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vasanawala; Shreyas S.	Mountain View	CA		
Pauly; John M.	Redwood City	CA		
Nishimura; Dwight G.	Palo Alto	CA		

US-CL-CURRENT: 324/309; 324/300, 324/307, 324/311

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc Image

☐ 24. Document ID: US 6275040 B1

L34: Entry 24 of 65

File: USPT

Aug 14, 2001

US-PAT-NO: 6275040

DOCUMENT-IDENTIFIER: US 6275040 B1

TITLE: Designing spectral-spatial pulses

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zur; Yuval	34752, Haifa			IL

US-CL-CURRENT: 324/320

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 25. Document ID: US 5938599 A

L34: Entry 25 of 65

File: USPT

Aug 17, 1999

US-PAT-NO: 5938599

DOCUMENT-IDENTIFIER: US 5938599 A

TITLE: MR method and arrangement for carrying out the method

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rasche; Volker	Hamburg			DE
Bornert; Peter	Hamburg			DE
Ludeke; Kai-Michael	Hamburg			DE
Kuhn; Michael	Hamburg			DE

US-CL-CURRENT: 600/410; 324/307, 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWMC	Draw Desc	Image

☐ 26. Document ID: US 5883514 A

L34: Entry 26 of 65

File: USPT

Mar 16, 1999

US-PAT-NO: 5883514

DOCUMENT-IDENTIFIER: US 5883514 A

TITLE: MR imaging apparatus

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ishikawa; Akihiro	Kyoto			JP

US-CL-CURRENT: 126/25R; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc
						Image

☐ 27. Document ID: US 5818229 A

L34: Entry 27 of 65

File: USPT

Oct 6, 1998

US-PAT-NO: 5818229

DOCUMENT-IDENTIFIER: US 5818229 A

**** See image for Certificate of Correction ****

TITLE: Correction of MR imaging pulse sequence using prescan having application phase adjusted RF refocusing pulses

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kanazawa; Hitoshi	Utsunomiya			JP

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc
						Image

☐ 28. Document ID: US 5680043 A

L34: Entry 28 of 65

File: USPT

Oct 21, 1997

US-PAT-NO: 5680043

DOCUMENT-IDENTIFIER: US 5680043 A

TITLE: Nuclear magnetic resonance technique for determining gas effect with borehole logging tools

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hurlimann; Martin D.	Ridgefield	CT		
Kleinberg; Robert L.	Ridgefield	CT		

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 29. Document ID: US 5647362 A

L34: Entry 29 of 65

File: USPT

Jul 15, 1997

US-PAT-NO: 5647362

DOCUMENT-IDENTIFIER: US 5647362 A

TITLE: Correction of read-gradient polarity in EPI and grase MRI

DATE-ISSUED: July 15, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fuderer; Miha	Eindhoven			NL
Groen; Johannes P.	Eindhoven			NL

US-CL-CURRENT: 600/410; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 30. Document ID: US 5548215 A

L34: Entry 30 of 65

File: USPT

Aug 20, 1996

US-PAT-NO: 5548215

DOCUMENT-IDENTIFIER: US 5548215 A

TITLE: MR imaging apparatus

DATE-ISSUED: August 20, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kohno; Satoru	Kyoto			JP
Iijima; Naoto	Kyoto			JP
Ishikawa; Akihiro	Kyoto			JP

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 31. Document ID: US 5532595 A

L34: Entry 31 of 65

File: USPT

Jul 2, 1996

US-PAT-NO: 5532595

DOCUMENT-IDENTIFIER: US 5532595 A

TITLE: Three-dimensional spiral echo volume imaging

DATE-ISSUED: July 2, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Lampman; David A.	Eastlake	OH
Liu; Haiying	Euclid	OH

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWIC	Draw Desc	Image

☐ 32. Document ID: US 5521505 A

L34: Entry 32 of 65

File: USPT

May 28, 1996

US-PAT-NO: 5521505

DOCUMENT-IDENTIFIER: US 5521505 A

TITLE: MR imaging apparatus

DATE-ISSUED: May 28, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kohno; Satoru	Kyoto			JP

US-CL-CURRENT: 324/309; 600/410, 600/419

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWIC	Draw Desc	Image

☐ 33. Document ID: US 5455512 A

L34: Entry 33 of 65

File: USPT

Oct 3, 1995

US-PAT-NO: 5455512

DOCUMENT-IDENTIFIER: US 5455512 A

TITLE: Eddy current compensation in magnetic resonance imaging

DATE-ISSUED: October 3, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Groen; Johannes P.	Eindhoven			NL
Van Der Meulen; Peter	Eindhoven			NL
Van Yperen; Gerrit H.	Eindhoven			NL
Mehlkopf; Antoon F.	Eindhoven			NL

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWC	Draw Desc
						Image

☐ 34. Document ID: US 5450010 A

L34: Entry 34 of 65

File: USPT

Sep 12, 1995

US-PAT-NO: 5450010

DOCUMENT-IDENTIFIER: US 5450010 A

TITLE: Magnetic resonance imaging method and apparatus employing eddy current compensation by modification of gradient size

DATE-ISSUED: September 12, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Van Der Meulen; Peter	Eindhoven			NL
Van Yperen; Gerrit H.	Eindhoven			NL

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWC	Draw Desc
						Image

☐ 35. Document ID: US 5412321 A

L34: Entry 35 of 65

File: USPT

May 2, 1995

US-PAT-NO: 5412321

DOCUMENT-IDENTIFIER: US 5412321 A

TITLE: Magnetic resonance imaging method and apparatus

DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kohno; Satoru	Kyoto			JP
Iijima; Naoto	Kyoto			JP

US-CL-CURRENT: 324/309; 324/300

Full	Title	Citation	Front	Review	Classification	Date
Reference	Abstract	References	Claims	KWIC	Draw Desc	Image

☐ 36. Document ID: US 5410249 A

L34: Entry 36 of 65

File: USPT

Apr 25, 1995

US-PAT-NO: 5410249

DOCUMENT-IDENTIFIER: US 5410249 A

TITLE: Method and apparatus for magnetic resonance imaging

DATE-ISSUED: April 25, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Van Yperen; Gerrit H.	Eindhoven			NL
Van Der Meulen; Peter	Eindhoven			NL

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc
						Image

☐ 37. Document ID: US 5402787 A

L34: Entry 37 of 65

File: USPT

Apr 4, 1995

US-PAT-NO: 5402787

DOCUMENT-IDENTIFIER: US 5402787 A

TITLE: Method and apparatus for magnetic resonance imaging

DATE-ISSUED: April 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Van Yperen; Gerrit H.	Eindhoven			NL

US-CL-CURRENT: 600/410; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc
						Image

☐ 38. Document ID: US 5304931 A

L34: Entry 38 of 65

File: USPT

Apr 19, 1994

US-PAT-NO: 5304931

DOCUMENT-IDENTIFIER: US 5304931 A

TITLE: Magnetic resonance imaging techniques

DATE-ISSUED: April 19, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flamig; Duane P.	Richardson	TX	75082	
Harms; Steven E.	Dallas	TX	75205	

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWMC	Draw Desc	Image

☐ 39. Document ID: US 5258711 A

L34: Entry 39 of 65

File: USPT

Nov 2, 1993

US-PAT-NO: 5258711

DOCUMENT-IDENTIFIER: US 5258711 A

TITLE: NMR selective excitation of bent slices

DATE-ISSUED: November 2, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hardy; Christopher J.	Schenectady	NY		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KWMC	Draw Desc	Image

☐ 40. Document ID: US 5204625 A

L34: Entry 40 of 65

File: USPT

Apr 20, 1993

US-PAT-NO: 5204625

DOCUMENT-IDENTIFIER: US 5204625 A

TITLE: Segmentation of stationary and vascular surfaces in magnetic resonance imaging

DATE-ISSUED: April 20, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cline; Harvey E.	Schenectady	NY		
Souza; Steven P.	Williamstown	MA		
Lorensen; William E.	Johnsville	NY		
Kennedy; Thomas E.	Whitefish Bay	WI		

US-CL-CURRENT: 324/306; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference	Abstract	Summary	Claims	KMC	Draw Desc	Image

☐ 41. Document ID: US 5201311 A

L34: Entry 41 of 65

File: USPT

Apr 13, 1993

US-PAT-NO: 5201311

DOCUMENT-IDENTIFIER: US 5201311 A

TITLE: Spatially-localized chemical-reaction-rate NMR spectroscopic imaging

DATE-ISSUED: April 13, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bottomley; Paul A.	Clifton Park	NY		
Hardy; Christopher J.	Schenectady	NY		

US-CL-CURRENT: 600/422; 324/307, 324/309, 600/558

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 42. Document ID: US 5162730 A

L34: Entry 42 of 65

File: USPT

Nov 10, 1992

US-PAT-NO: 5162730

DOCUMENT-IDENTIFIER: US 5162730 A

TITLE: Method for operating a magnetic resonant imaging tomography apparatus

DATE-ISSUED: November 10, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schmitt; Franz	Baiersdorf			DE
Fischer; Hubertus	Bamberg			DE

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 43. Document ID: US 5093620 A

L34: Entry 43 of 65

File: USPT

Mar 3, 1992

US-PAT-NO: 5093620

DOCUMENT-IDENTIFIER: US 5093620 A

**** See image for Certificate of Correction ****

TITLE: Encoding for NMR phase contrast flow measurement

DATE-ISSUED: March 3, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pelc; Norbert J.	Los Altos	CA		
Glover; Gary H.	Menlo Park	CA		

US-CL-CURRENT: 324/306; 324/300

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KUMC	Draw Desc Image

☐ 44. Document ID: US 5055790 A

L34: Entry 44 of 65

File: USPT

Oct 8, 1991

US-PAT-NO: 5055790

DOCUMENT-IDENTIFIER: US 5055790 A

TITLE: SSFP imaging technique with improved T1 contrast

DATE-ISSUED: October 8, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Siuciak; Alan M.	Willoughby	OH		
Chatterjee; Chandralekha	Richmond Heights	OH		
Palmer; Neil D.	Euclid	OH		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KUMC	Draw Desc Image

☐ 45. Document ID: US 5019784 A

L34: Entry 45 of 65

File: USPT

May 28, 1991

US-PAT-NO: 5019784

DOCUMENT-IDENTIFIER: US 5019784 A

**** See image for Certificate of Correction ****

TITLE: Time symmetric pulse to uniformly rotate magnetization vectors by an arbitrary angle in the presence of large B1 inhomogeneities and resonance offsets

DATE-ISSUED: May 28, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garwood; Michael	Shorewood	MN		
Ugurbil; Kamil	Maple Plain	MN		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference					Claims	KMC
					Draw Desc	Image

☐ 46. Document ID: US 4859946 A

L34: Entry 46 of 65

File: USPT

Aug 22, 1989

US-PAT-NO: 4859946

DOCUMENT-IDENTIFIER: US 4859946 A

TITLE: Magnetic resonance imaging system

DATE-ISSUED: August 22, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kuhara; Shigehide	Yokohama			JP

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	K/MC	Draw Desc	Image

☐ 47. Document ID: US 4766381 A

L34: Entry 47 of 65

File: USPT

Aug 23, 1988

US-PAT-NO: 4766381

DOCUMENT-IDENTIFIER: US 4766381 A

**** See image for Certificate of Correction ****

TITLE: Driven inversion spin echo magnetic resonance imaging

DATE-ISSUED: August 23, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Conturo; Thomas E.	Nashville	TN		
Kessler; Robert M.	Nashville	TN		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	K/MC	Draw Desc	Image

☐ 48. Document ID: US 4748409 A

L34: Entry 48 of 65

File: USPT

May 31, 1988

US-PAT-NO: 4748409

DOCUMENT-IDENTIFIER: US 4748409 A

**** See image for Certificate of Correction ****

TITLE: Imaging magnetic spin resonance method and apparatus

DATE-ISSUED: May 31, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frahm; Jens	Goettingen			DE
Haase; Axel	Goettingen			DE
Haenicke; Wolfgang	Goettingen			DE
Merboldt; Klaus-Dietmar	Goettingen			DE
Matthaei; Dieter	Goettingen			DE

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc Image

☐ 49. Document ID: US 4703267 A

L34: Entry 49 of 65

File: USPT

Oct 27, 1987

US-PAT-NO: 4703267

DOCUMENT-IDENTIFIER: US 4703267 A

TITLE: High dynamic range in NMR data acquisition

DATE-ISSUED: October 27, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maudsley; Andrew A.	New York	NY		

US-CL-CURRENT: 324/307; 324/309, 324/314

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWMC	Draw Desc Image

☐ 50. Document ID: US 4683433 A

L34: Entry 50 of 65

File: USPT

Jul 28, 1987

US-PAT-NO: 4683433
DOCUMENT-IDENTIFIER: US 4683433 A

TITLE: Imaging method and apparatus using nuclear magnetic resonance

DATE-ISSUED: July 28, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Etsuji	Hachioji			JP
Kohno; Hideki	Suginami			JP
Kuroda; Masao	Nakano			JP
Matsui; Shigeru	Koganei			JP
Shiono; Hidemi	Akigawa			JP

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference					Claims	KWC
					Draw	Deso
						Image

☐ 51. Document ID: US 4654594 A

L34: Entry 51 of 65

File: USPT

Mar 31, 1987

US-PAT-NO: 4654594
DOCUMENT-IDENTIFIER: US 4654594 A

TITLE: Method of analysing the structure and characteristics of an object

DATE-ISSUED: March 31, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sepponen; Raimo	Helsinki			FI

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference	Abstract	Summary	Claims	KMC	Draw Desc	Image

☐ 52. Document ID: US 4647858 A

L34: Entry 52 of 65

File: USPT

Mar 3, 1987

US-PAT-NO: 4647858

DOCUMENT-IDENTIFIER: US 4647858 A

TITLE: Methods for overcoming transient magnetic field inhomogeneity in nuclear magnetic resonance imaging

DATE-ISSUED: March 3, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bottomley; Paul A.	Clifton Park	NY		

US-CL-CURRENT: 324/320; 324/322, 505/844

Full	Title	Citation	Front	Review	Classification	Date
Reference	Abstract	Summary	Claims	KMC	Draw Desc	Image

☐ 53. Document ID: US 4629988 A

L34: Entry 53 of 65

File: USPT

Dec 16, 1986

US-PAT-NO: 4629988

DOCUMENT-IDENTIFIER: US 4629988 A

TITLE: Method of imaging by depth-resolved surface coil spectroscopy

DATE-ISSUED: December 16, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Bottomley; Paul A.	Clifton Park	NY		
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US-CL-CURRENT: 324/309; 324/322

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	K/MC	Draw Desc Image

☐ 54. Document ID: US 4628264 A

L34: Entry 54 of 65

File: USPT

Dec 9, 1986

US-PAT-NO: 4628264

DOCUMENT-IDENTIFIER: US 4628264 A

TITLE: NMR gradient field modulation

DATE-ISSUED: December 9, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Rzedzian; Richard R.	Lexington	MA		
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US-CL-CURRENT: 324/322; 324/307, 324/318

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	K/MC	Draw Desc Image

☐ 55. Document ID: US 4506223 A

L34: Entry 55 of 65

File: USPT

Mar 19, 1985

US-PAT-NO: 4506223

DOCUMENT-IDENTIFIER: US 4506223 A

TITLE: Method for performing two-dimensional and three-dimensional

chemical shift imaging

DATE-ISSUED: March 19, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bottomley; Paul A.	Clifton Park	NY		
Edelstein; William A.	Schenectady	NY		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWIC	Draw Desc Image

☐ 56. Document ID: US 4475084 A

L34: Entry 56 of 65

File: USPT

Oct 2, 1984

US-PAT-NO: 4475084

DOCUMENT-IDENTIFIER: US 4475084 A

TITLE: Nuclear magnetic resonance detector

DATE-ISSUED: October 2, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moore; William S.	Mapperley Park			GB2
Hawkes; Robert C.	Bramcote			GB2
Holland; Geoffrey N.	Chagrin Falls	OH		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWIC	Draw Desc Image

☐ 57. Document ID: US 4315216 A

L34: Entry 57 of 65

File: USPT

Feb 9, 1982

US-PAT-NO: 4315216

DOCUMENT-IDENTIFIER: US 4315216 A

TITLE: Imaging systems

DATE-ISSUED: February 9, 1982

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clow; Hugh	Reading			GB2
Walters; Peter E.	Southall			GB2

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date		
Reference					Claims	KWMC	Draw Desc	Image

☐ 58. Document ID: US 4300096 A

L34: Entry 58 of 65

File: USPT

Nov 10, 1981

US-PAT-NO: 4300096

DOCUMENT-IDENTIFIER: US 4300096 A

TITLE: Imaging systems

DATE-ISSUED: November 10, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harrison; Colin G.	High Wycombe			GB2
Young; Ian R.	Sunbury on Thames			GB2

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference	Abstract	Claims	Drawings	Claims	K/MC	Draw Desc	Image

☐ 59. Document ID: US 4284948 A

L34: Entry 59 of 65

File: USPT

Aug 18, 1981

US-PAT-NO: 4284948

DOCUMENT-IDENTIFIER: US 4284948 A

TITLE: Imaging systems

DATE-ISSUED: August 18, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Young; Ian R.	Sunbury on Thames			GB2

US-CL-CURRENT: 324/309; 324/313

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	K/MC	Draw Desc	Image

☐ 60. Document ID: US 4254778 A

L34: Entry 60 of 65

File: USPT

Mar 10, 1981

US-PAT-NO: 4254778

DOCUMENT-IDENTIFIER: US 4254778 A

TITLE: Imaging systems

DATE-ISSUED: March 10, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clow; Hugh	Maidenhead			GB2
Walters; Peter E.	Southall			GB2
Percival; William S.	West Ealing			GB2

US-CL-CURRENT: 600/410; 324/309, 324/314

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 61. Document ID: US 3588678 A

L34: Entry 61 of 65

File: USOC

Jun 28, 1971

US-PAT-NO: 3588678

DOCUMENT-IDENTIFIER: US 3588678 A

TITLE: SPECTROMETERS USING AN R.F. NOISE GENERATOR EMPLOYING A CARRIER MODULATED BY A BINARY RANDOM SEQUENCE

DATE-ISSUED: June 28, 1971

INVENTOR-NAME: ERNST RICHARD R

US-CL-CURRENT: 324/310; 250/290

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 62. Document ID: US 3530374 A

L34: Entry 62 of 65

File: USOC

Sep 22, 1970

US-PAT-NO: 3530374

DOCUMENT-IDENTIFIER: US 3530374 A

TITLE: PULSED NUCLEAR MAGNETIC RESONANCE OF SOLIDS

DATE-ISSUED: September 22, 1970

INVENTOR-NAME: WAUGH JOHN S; HAEBERLEN ULRICH H

US-CL-CURRENT: 324/311

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 63. Document ID: US 3530373 A

L34: Entry 63 of 65

File: USOC

Sep 22, 1970

US-PAT-NO: 3530373

DOCUMENT-IDENTIFIER: US 3530373 A

TITLE: METHODS AND APPARATUS FOR PULSED NUCLEAR MAGNETIC RESONANCE OF SOLIDS

DATE-ISSUED: September 22, 1970

INVENTOR-NAME: WAUGH JOHN S

US-CL-CURRENT: 324/311

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 64. Document ID: US 3346813 A

L34: Entry 64 of 65

File: USOC

Oct 10, 1967

US-PAT-NO: 3346813

DOCUMENT-IDENTIFIER: US 3346813 A

TITLE: Converter using spin resonant material

DATE-ISSUED: October 10, 1967

INVENTOR-NAME: ANDERSON HAROLD C; SHANHOLTZER ALFRED E

US-CL-CURRENT: 455/325, 324/307, 332/120, 332/173, 332/175, 333/141,

455/323

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	K/MC	Draw Desc	Image

☐ 65. Document ID: US 3039045 A

L34: Entry 65 of 65

File: USOC

Jun 12, 1962

US-PAT-NO: 3039045

DOCUMENT-IDENTIFIER: US 3039045 A

TITLE: Magnetic field stabilizing and measuring apparatus

DATE-ISSUED: June 12, 1962

INVENTOR-NAME: BELL WILLIAM E

US-CL-CURRENT: 324/319; 324/310

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	K/MC	Draw Desc	Image

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Term	Documents
(33 AND 26).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	65
(L33 AND L26).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	65

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